

ABSTRACT:

5 A intelligent sports and safety helmet designed for bicyclists,
skateboarders, snowboarders, skiers, other sports enthusiast as well as
industrial, military and security services that utilizes a helmets or head
protection while performing an activity or duty. The helmet consists of a
sports or safety helmet with a Microprocessor, a set of sensors and a
software program residing within the microprocessor. In operation electronic
sensors automatically detect if the user is wearing helmet and if
environmental conditions warrant self-illumination. The microprocessor
10 manages the state of the illuminating elements.